

Data File : VU027540.D
Acq On : 09 Oct 2018 22:42
Operator : MD/SY
Sample : J5365-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CY-1

Quant Time: Oct 10 06:01:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	116010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	193394	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	167048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	71945	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96649	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	4.89	113	66887	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	7.57	98	247611	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	10.31	95	79574	43.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.32%	

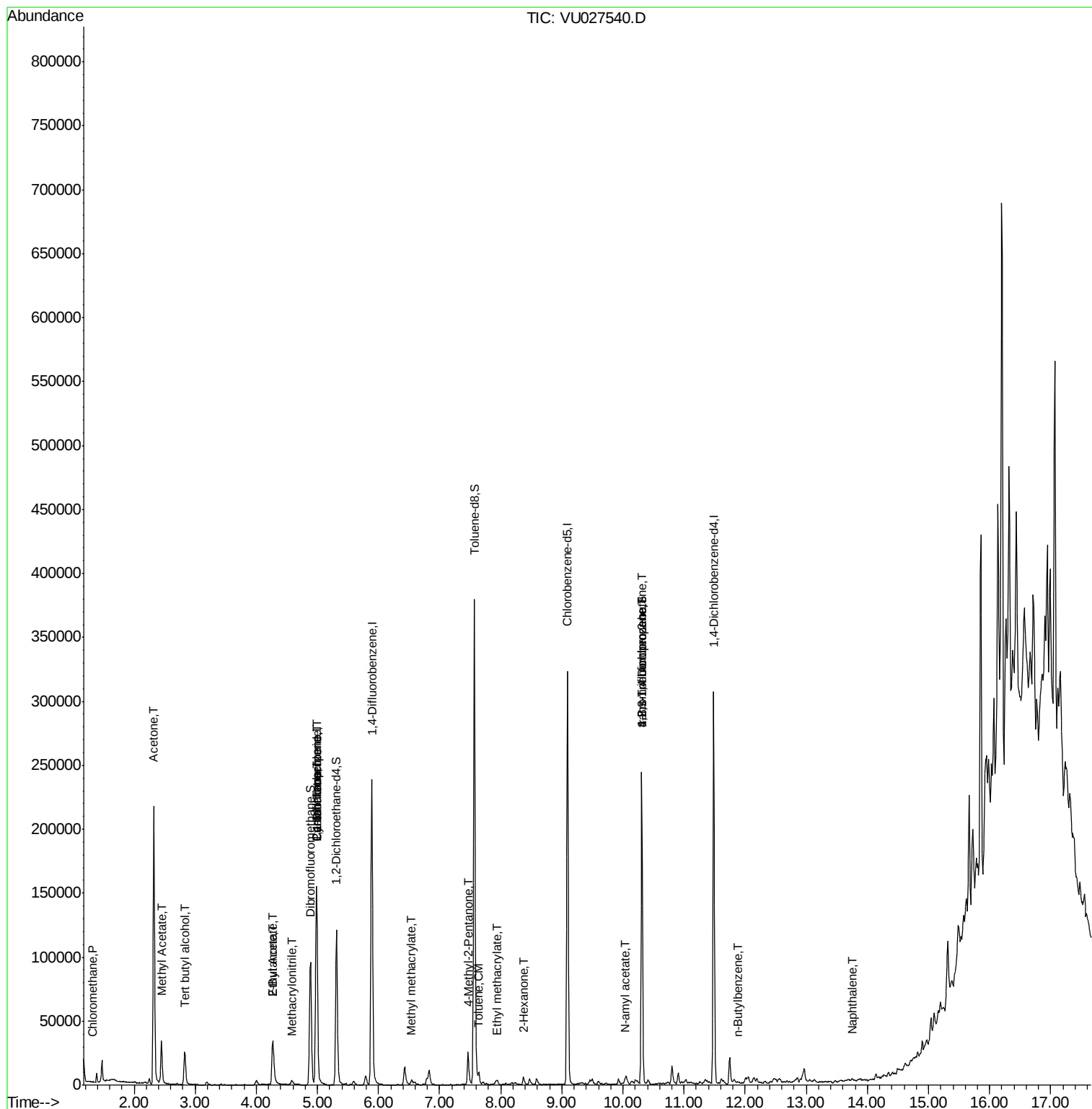
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	486	0.215	ug/l	100
11) Tert butyl alcohol	2.83	59	27918	68.437	ug/l	100
16) Acetone	2.32	43	230764	201.646	ug/l	100
18) Methyl Acetate	2.45	43	9597	3.676	ug/l #	56
25) 2-Butanone	4.27	43	60207	38.580	ug/l	98
31) Cyclohexane	4.99	56	2860	0.686	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10703	5.097	ug/l #	50
37) Ethyl Acetate	4.27	43	60207	22.185	ug/l #	70
38) Carbon Tetrachloride	4.98	117	11256	5.934	ug/l #	18
41) Methacrylonitrile	4.58	41	732	0.477	ug/l #	41
48) Methyl methacrylate	6.55	41	1064	0.508	ug/l #	41
51) 4-Methyl-2-Pentanone	7.47	43	21173	7.731	ug/l	94
52) Toluene	7.64	92	3569	0.986	ug/l	91
56) Ethyl methacrylate	7.94	69	70	2.296	ug/l #	21
59) 2-Hexanone	8.37	43	4931	2.321	ug/l	88
74) N-amyl acetate	10.03	43	705	0.236	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	43232	23.181	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	43232	60.667	ug/l #	100
89) n-Butylbenzene	11.87	91	42	1.958	ug/l #	33
95) Naphthalene	13.75	128	786	1.800	ug/l #	69

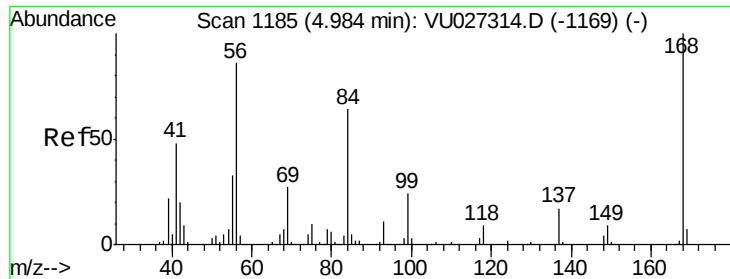
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU027540.D
Acq On : 09 Oct 2018 22:42
Operator : MD/SY
Sample : J5365-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CY-1

Quant Time: Oct 10 06:01:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampleId :

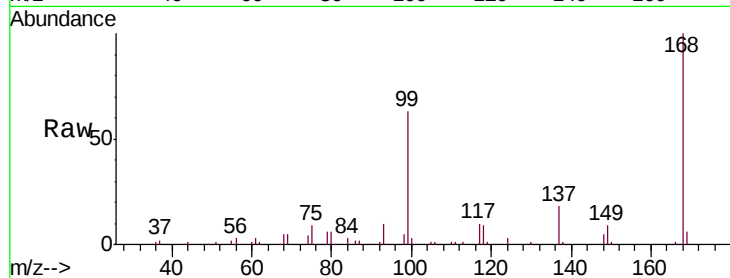
CY-1

Tgt Ion:168 Resp: 116010

Ion Ratio Lower Upper

168 100

99 63.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

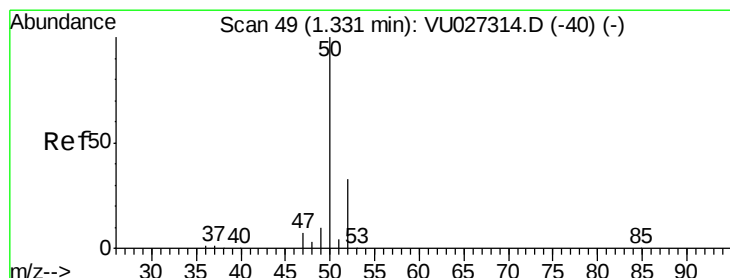
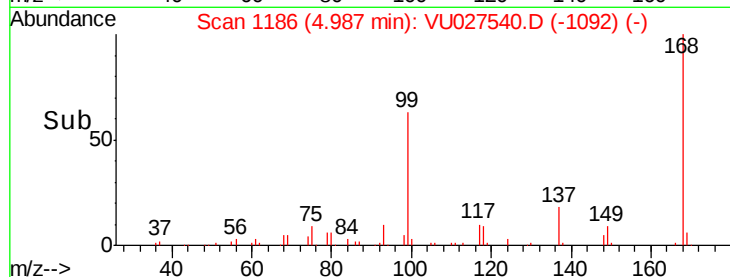
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027540.D

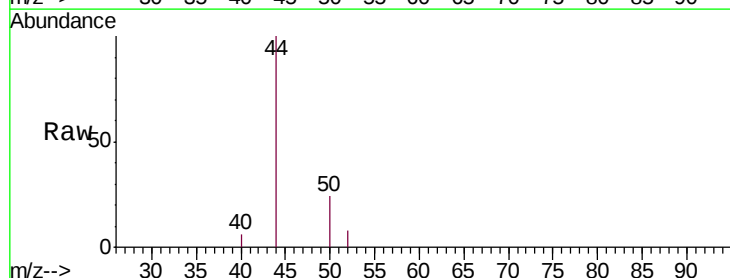
Acq: 09 Oct 2018 22:42

Tgt Ion: 50 Resp: 486

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027314.D (-40) (-)

1.33

500

400

300

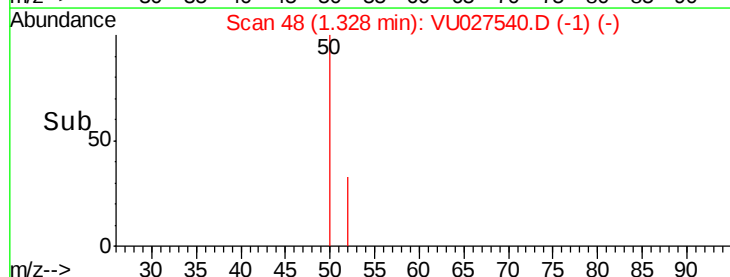
200

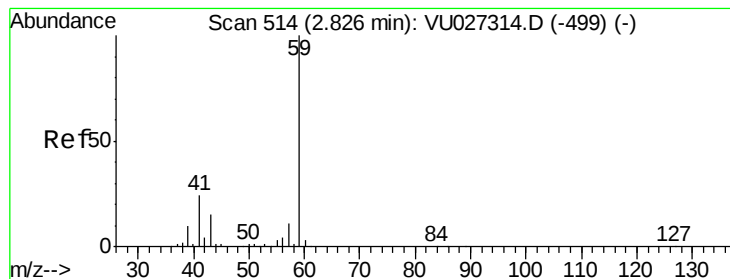
100

0

1.30 1.32 1.34

Time-->



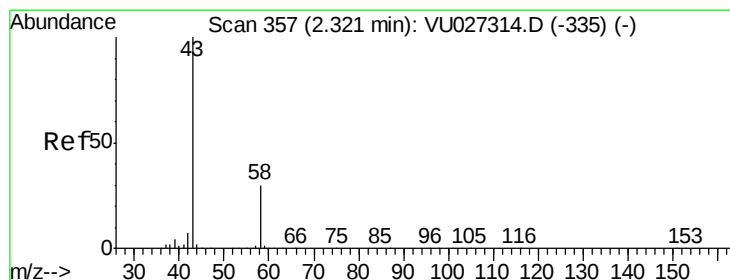
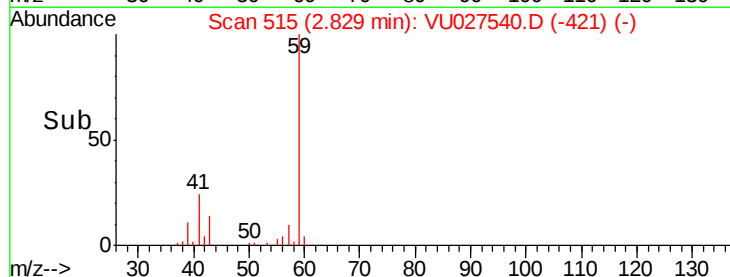
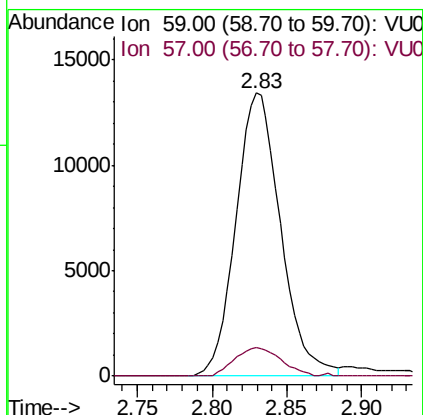
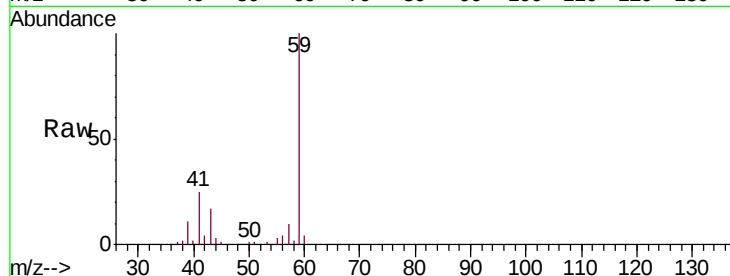


#11

Tert butyl alcohol
 Concen: 68.437 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027540.D
 Acq: 09 Oct 2018 22:42

Instrument :
 MSVOA_U
 ClientSampled :
 CY-1

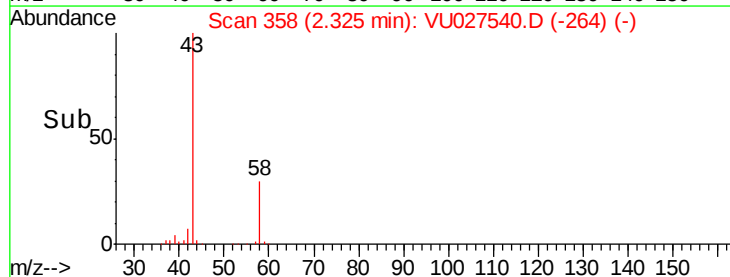
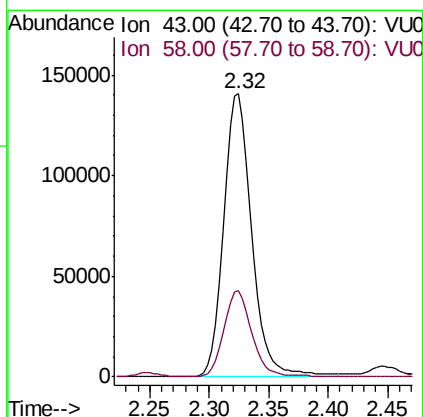
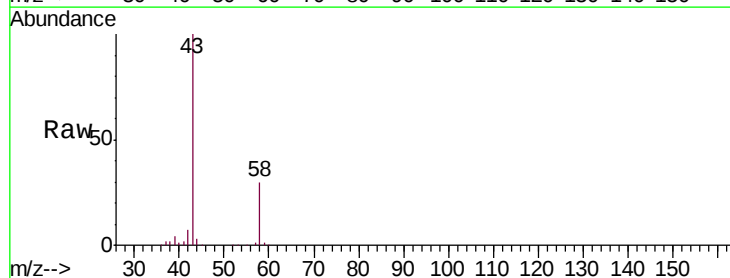
Tgt Ion: 59 Resp: 27918
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

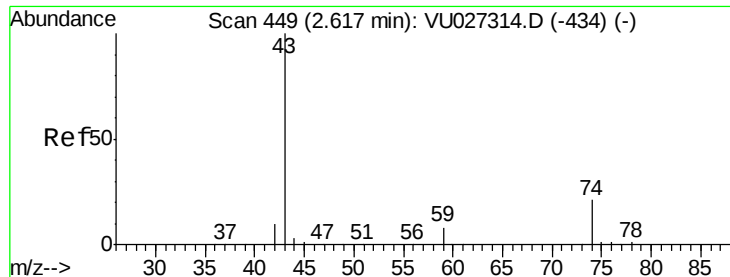


#16

Acetone
 Concen: 201.646 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027540.D
 Acq: 09 Oct 2018 22:42

Tgt Ion: 43 Resp: 230764
 Ion Ratio Lower Upper
 43 100
 58 30.4 24.2 36.4

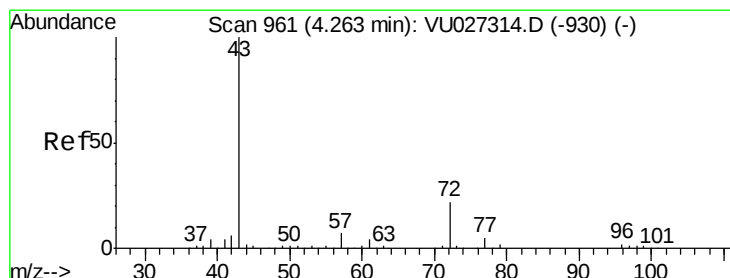
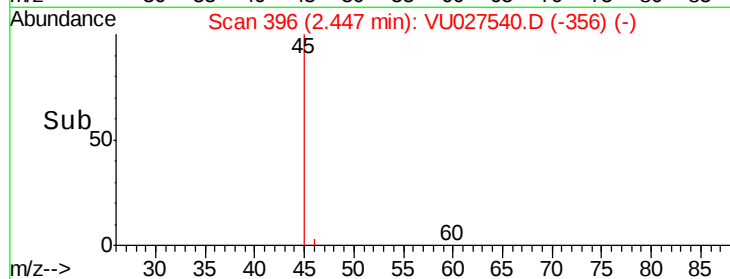
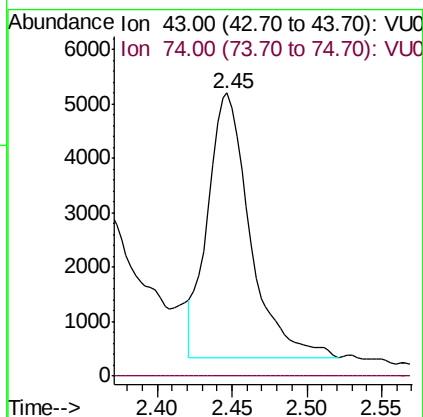
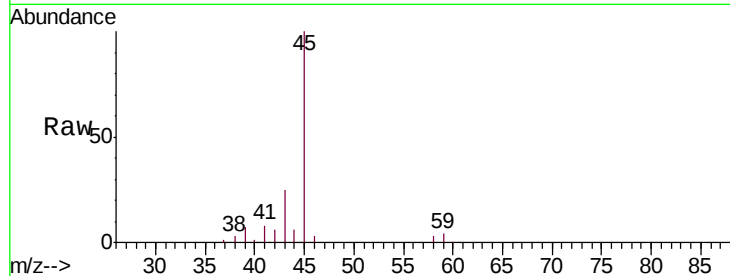




#18
Methyl Acetate
Concen: 3.676 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.17 min
Lab File: VU027540.D
Acq: 09 Oct 2018 22:42

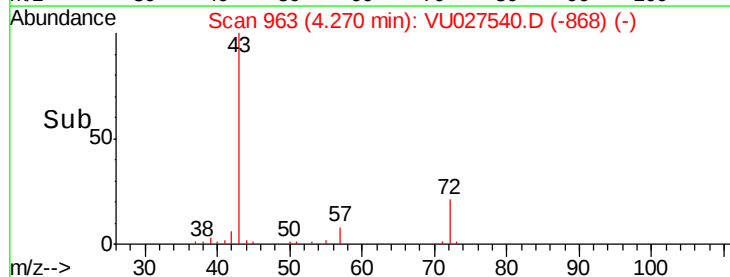
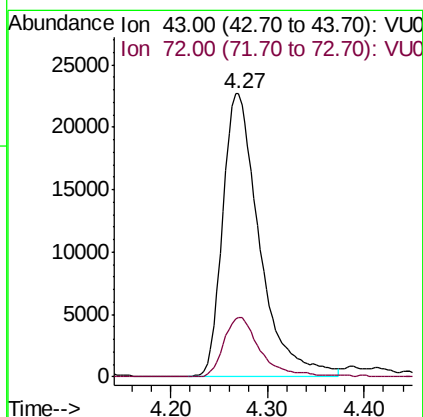
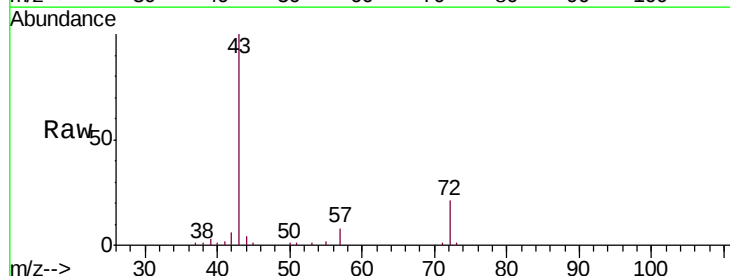
Instrument :
MSVOA_U
ClientSampleId :
CY-1

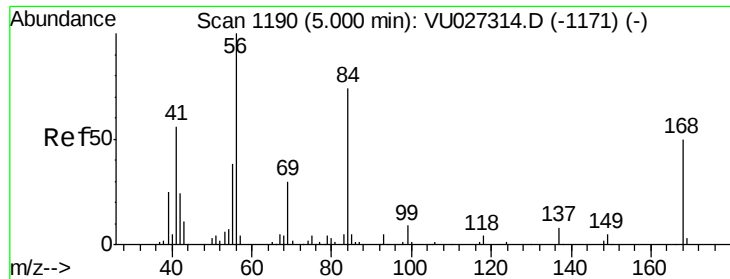
Tgt Ion: 43 Resp: 9597
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#25
2-Butanone
Concen: 38.580 ug/l
RT: 4.27 min Scan# 963
Delta R.T. 0.01 min
Lab File: VU027540.D
Acq: 09 Oct 2018 22:42

Tgt Ion: 43 Resp: 60207
Ion Ratio Lower Upper
43 100
72 21.1 17.8 26.6

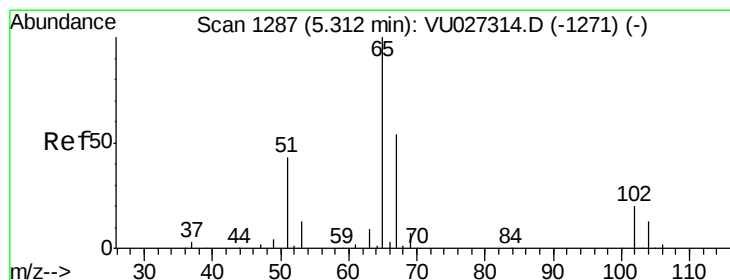
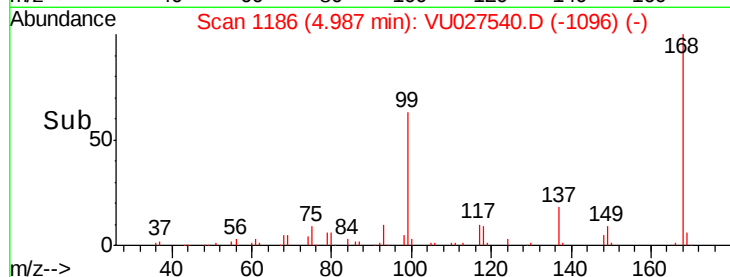
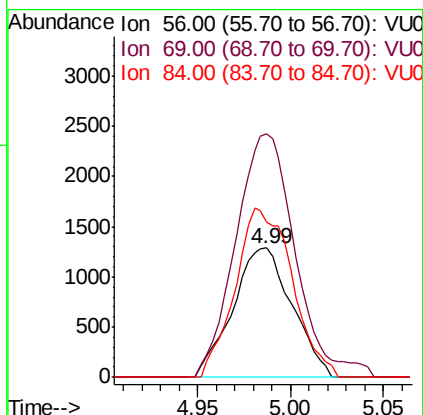
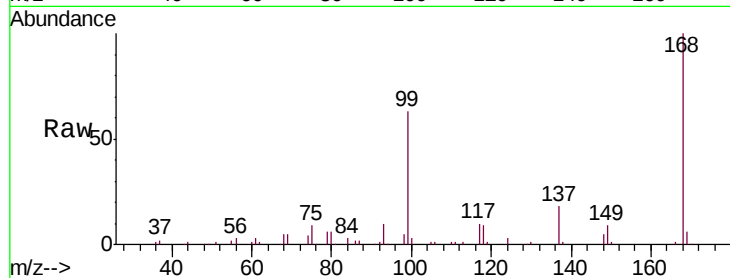




#31
Cyclohexane
Concen: 0.686 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027540.D
Acq: 09 Oct 2018 22:42

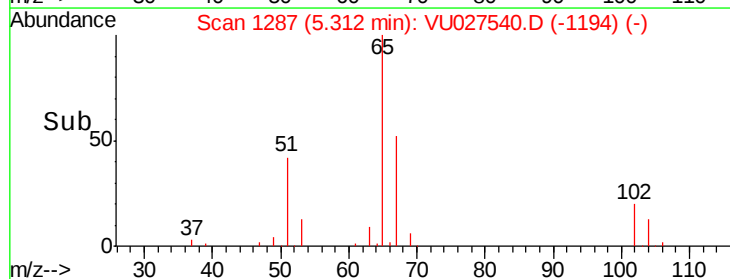
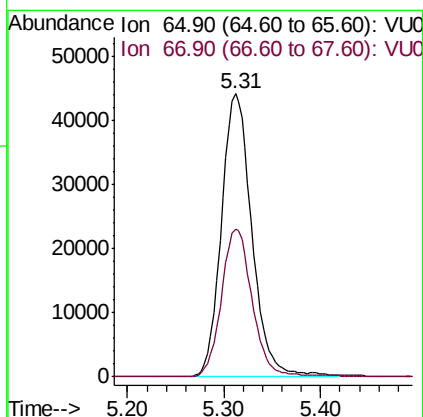
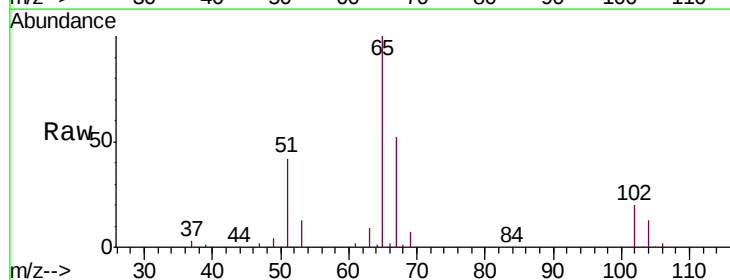
Instrument :
MSVOA_U
ClientSampled :
CY-1

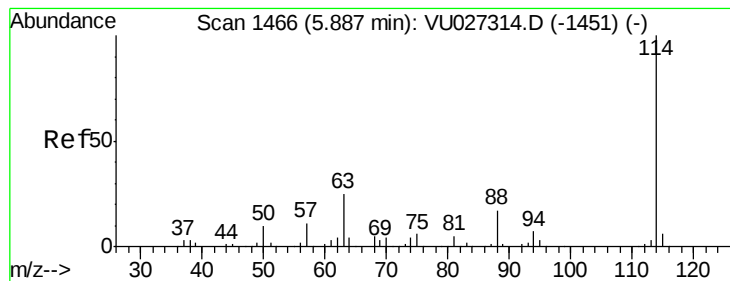
Tgt Ion: 56 Resp: 2860
Ion Ratio Lower Upper
56 100
69 188.1 24.1 36.1#
84 120.2 59.1 88.7#



#33
1,2-Dichloroethane-d4
Concen: 49.892 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027540.D
Acq: 09 Oct 2018 22:42

Tgt Ion: 65 Resp: 96649
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampleId :

CY-1

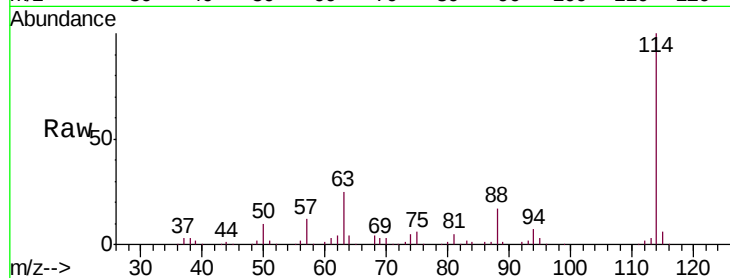
Tgt Ion:114 Resp: 193394

Ion Ratio Lower Upper

114 100

63 25.1 0.0 50.2

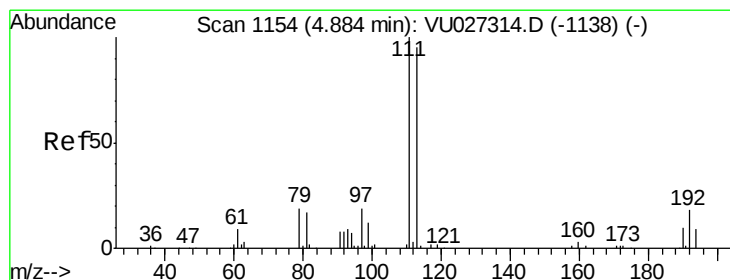
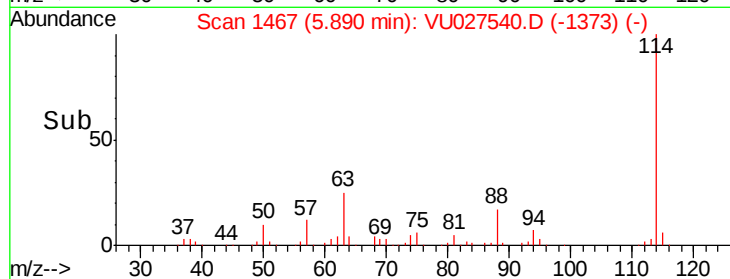
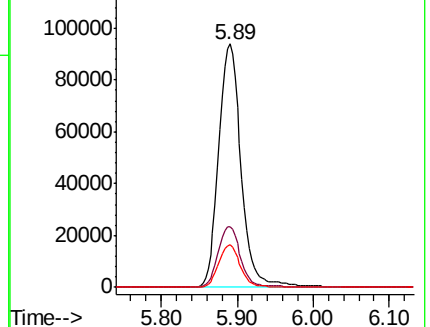
88 17.3 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 50.466 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

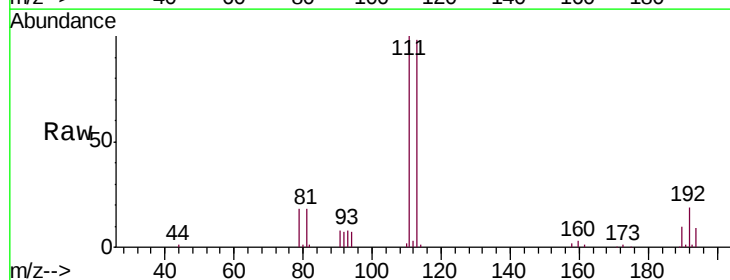
Tgt Ion:113 Resp: 66887

Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

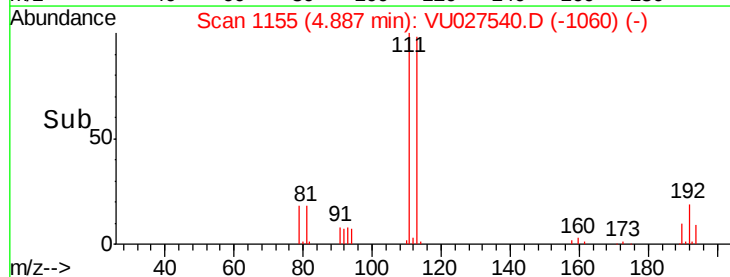
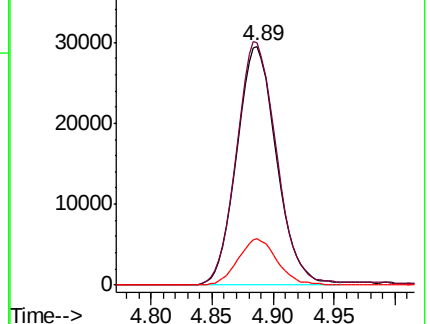
192 18.9 15.4 23.0

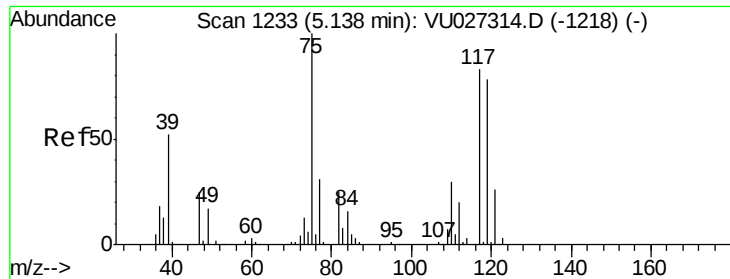


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

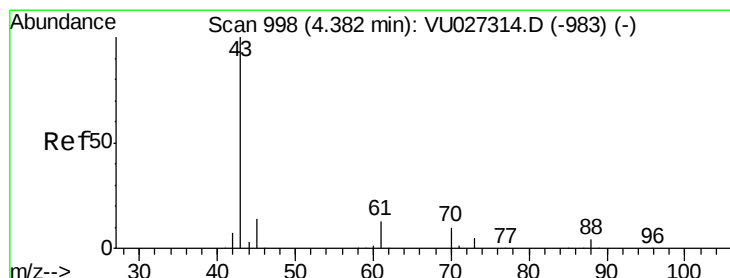
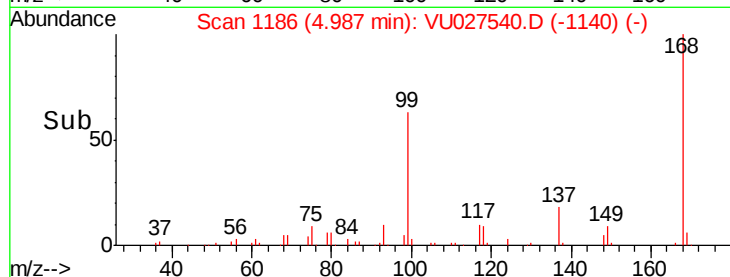
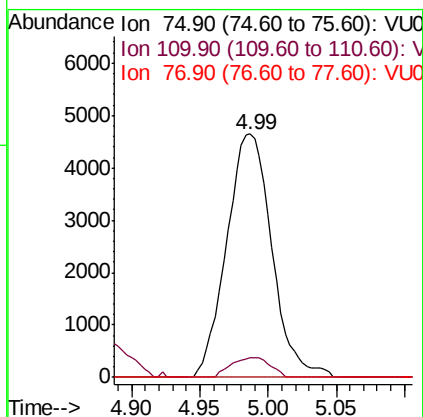
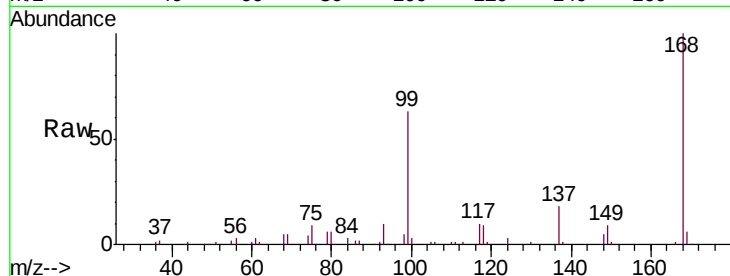




#36
 1,1-Dichloropropene
 Concen: 5.097 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027540.D
 Acq: 09 Oct 2018 22:42

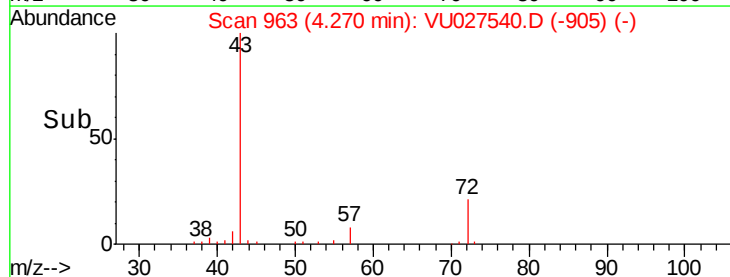
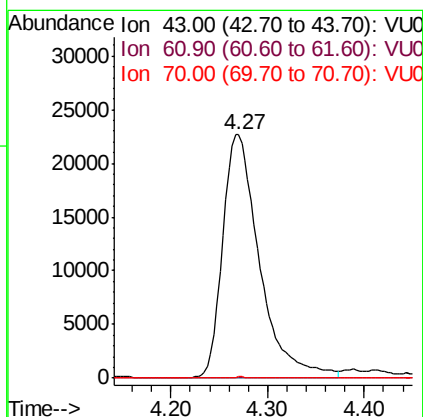
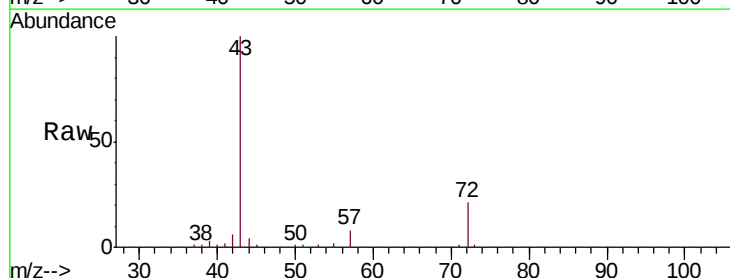
Instrument :
 MSVOA_U
 ClientSampleId :
 CY-1

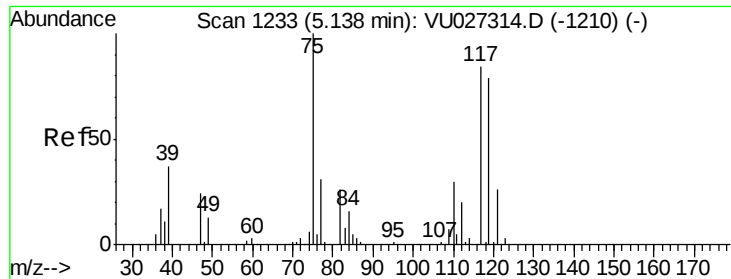
Tgt Ion: 75 Resp: 10703
 Ion Ratio Lower Upper
 75 100
 110 7.0 15.5 46.5#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 22.185 ug/l
 RT: 4.27 min Scan# 963
 Delta R.T. -0.11 min
 Lab File: VU027540.D
 Acq: 09 Oct 2018 22:42

Tgt Ion: 43 Resp: 60207
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.1 7.4 11.2#





#38

Carbon Tetrachloride

Concen: 5.934 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampleId :

CY-1

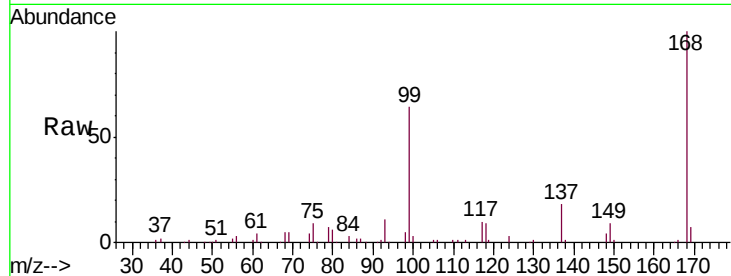
Tgt Ion: 117 Resp: 11256

Ion Ratio Lower Upper

117 100

119 6.1 74.5 111.7#

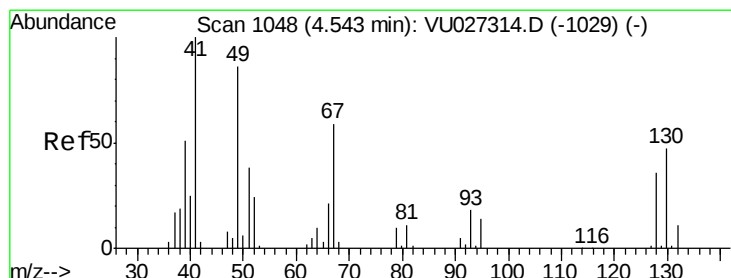
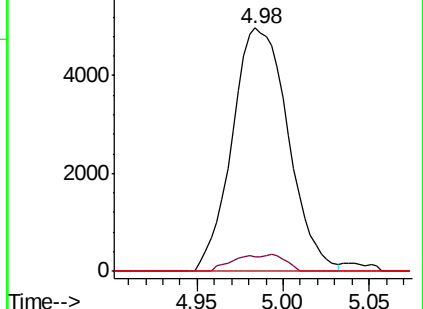
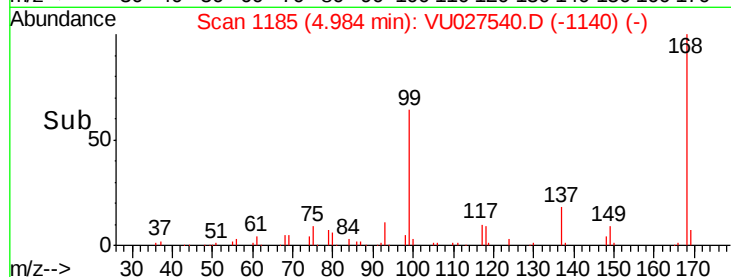
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.477 ug/l

RT: 4.58 min Scan# 1059

Delta R.T. 0.04 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Tgt Ion: 41 Resp: 732

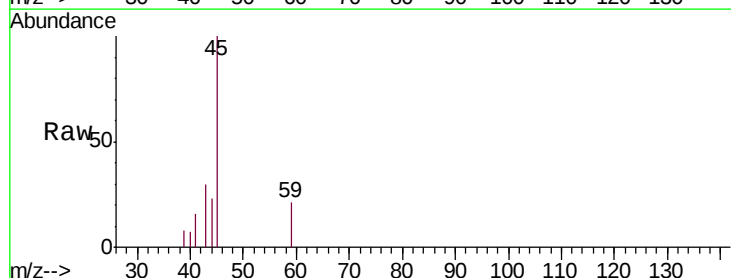
Ion Ratio Lower Upper

41 100

39 26.2 41.1 61.7#

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#

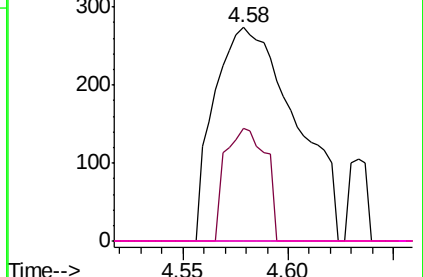
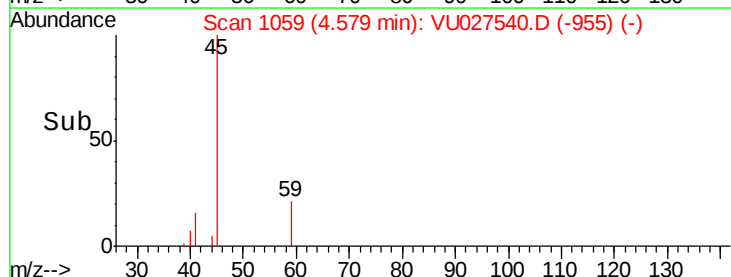


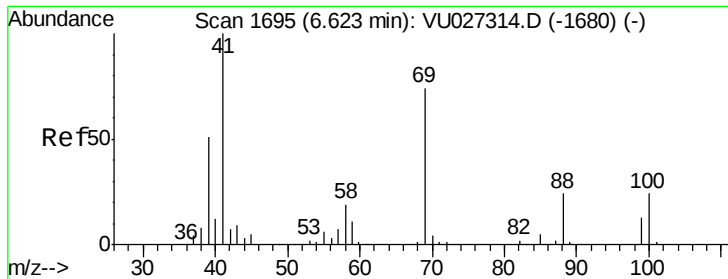
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#48

Methyl methacrylate

Concen: 0.508 ug/l

RT: 6.55 min Scan# 1671

Delta R.T. -0.08 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampleId :

CY-1

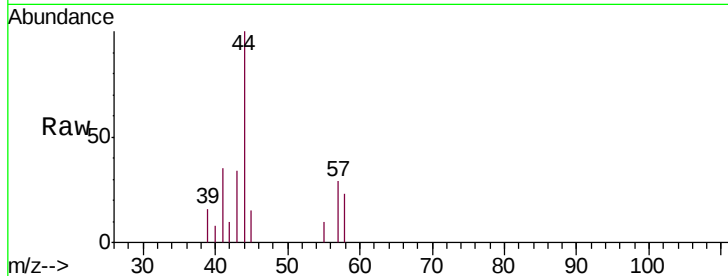
Tgt Ion: 41 Resp: 1064

Ion Ratio Lower Upper

41 100

69 0.0 61.0 91.4#

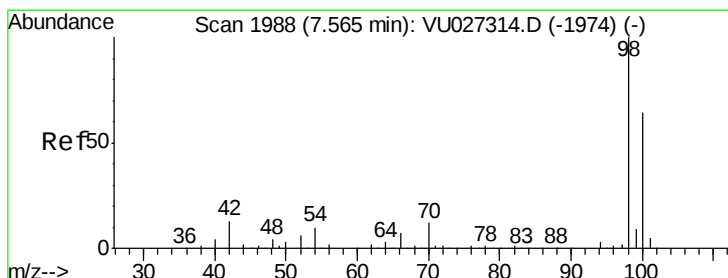
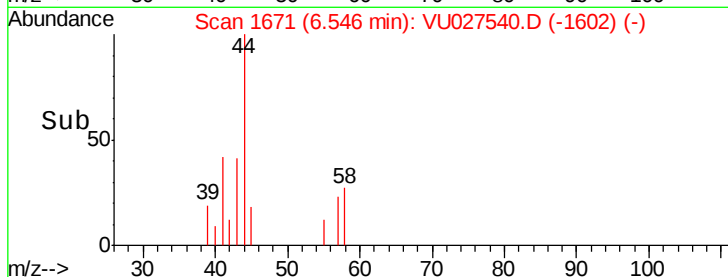
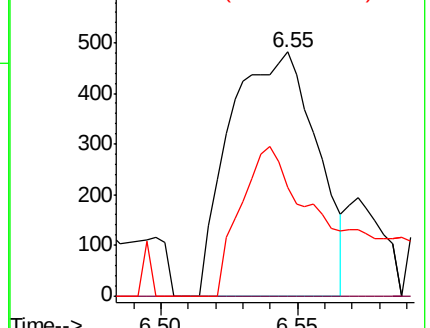
39 60.1 39.9 59.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#50

Toluene-d8

Concen: 49.916 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027540.D

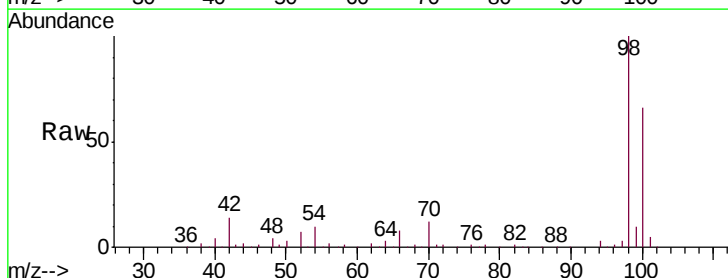
Acq: 09 Oct 2018 22:42

Tgt Ion: 98 Resp: 247611

Ion Ratio Lower Upper

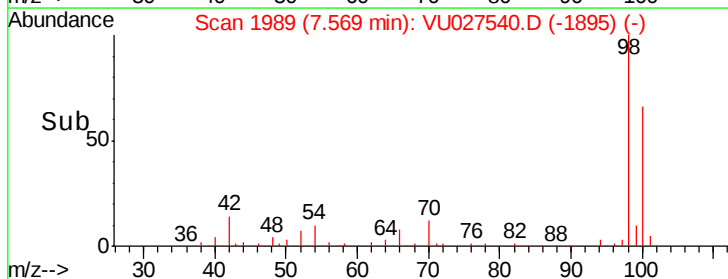
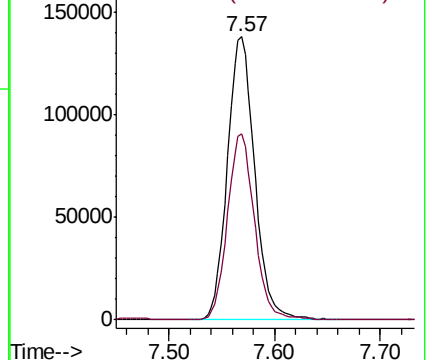
98 100

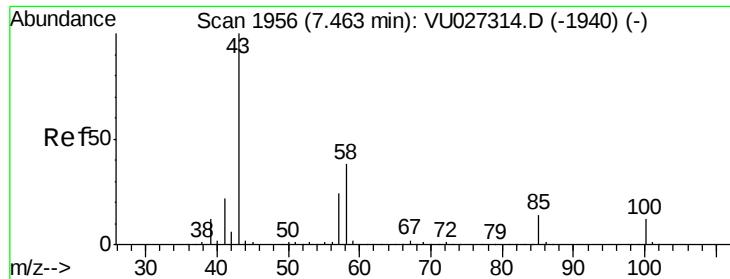
100 65.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

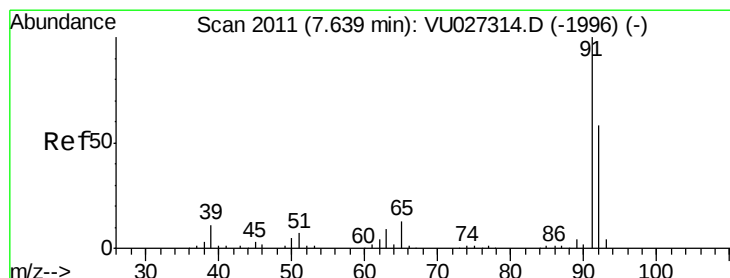
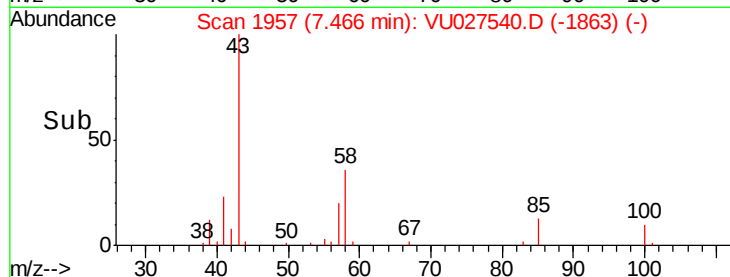
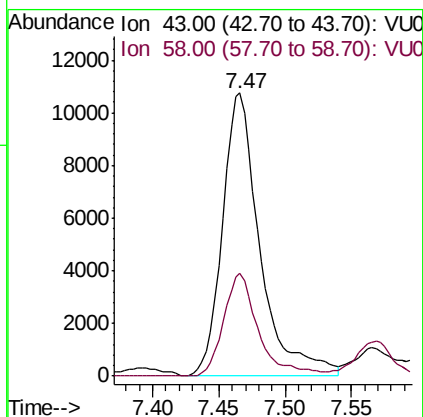
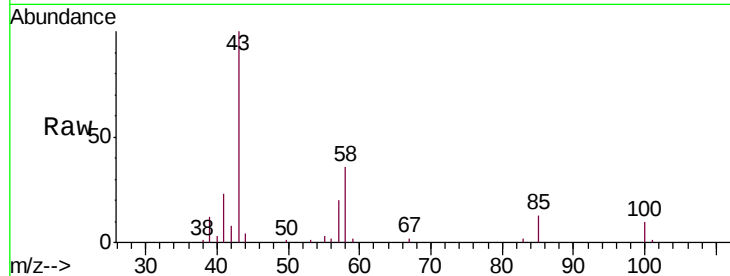




#51
4-Methyl-2-Pentanone
Concen: 7.731 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027540.D
Acq: 09 Oct 2018 22:42

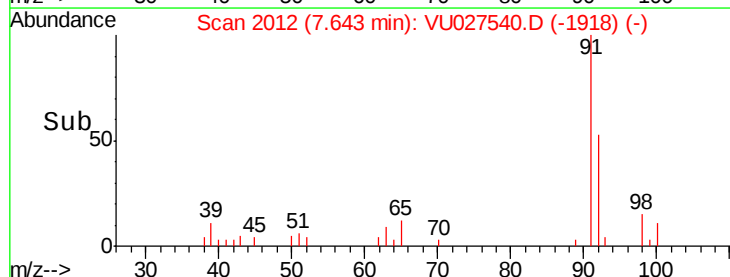
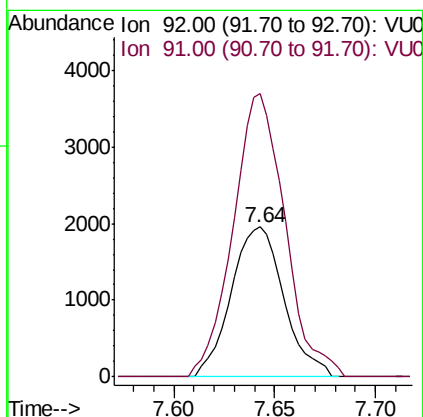
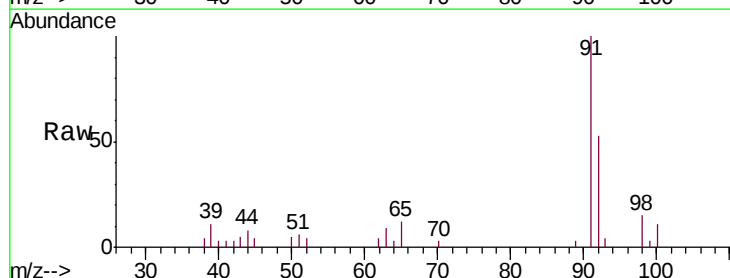
Instrument :
MSVOA_U
ClientSampleId :
CY-1

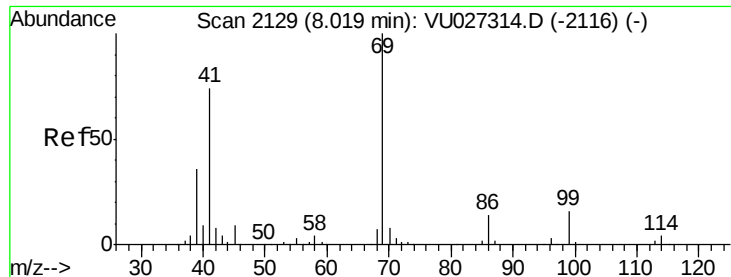
Tgt Ion: 43 Resp: 21173
Ion Ratio Lower Upper
43 100
58 33.7 29.8 44.8



#52
Toluene
Concen: 0.986 ug/l
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU027540.D
Acq: 09 Oct 2018 22:42

Tgt Ion: 92 Resp: 3569
Ion Ratio Lower Upper
92 100
91 186.1 138.6 208.0





#56

Ethyl methacrylate

Concen: 2.296 ug/l

RT: 7.94 min Scan# 2105

Delta R.T. -0.08 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampleId :

CY-1

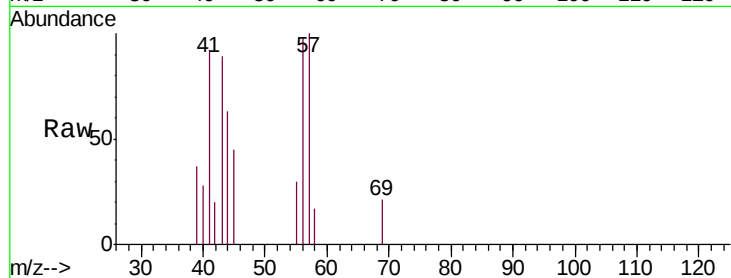
Tgt Ion: 69 Resp: 70

Ion Ratio Lower Upper

69 100

41 0.0 60.0 90.0#

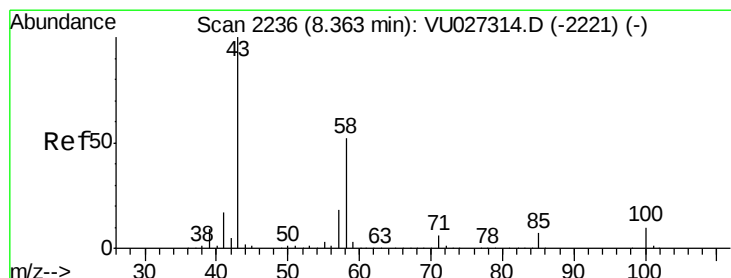
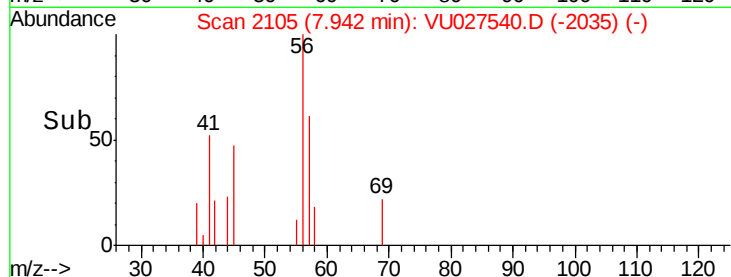
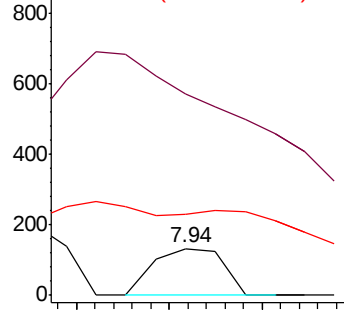
39 0.0 29.5 44.3#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#59

2-Hexanone

Concen: 2.321 ug/l

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU027540.D

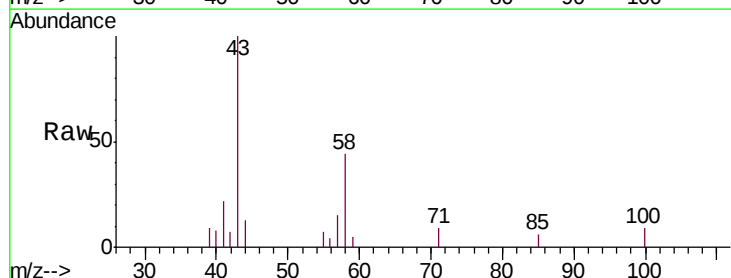
Acq: 09 Oct 2018 22:42

Tgt Ion: 43 Resp: 4931

Ion Ratio Lower Upper

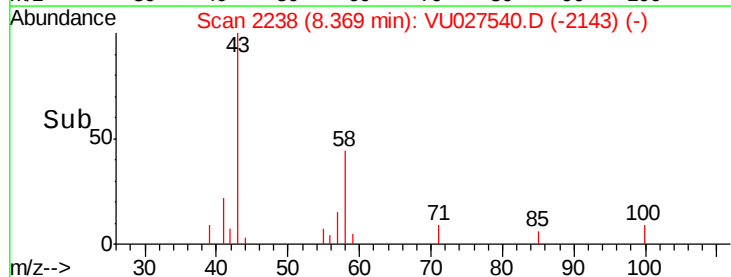
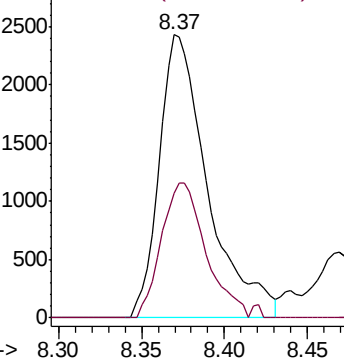
43 100

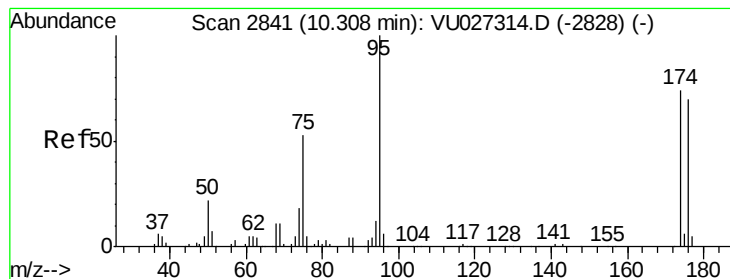
58 43.7 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 43.164 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampleId :

CY-1

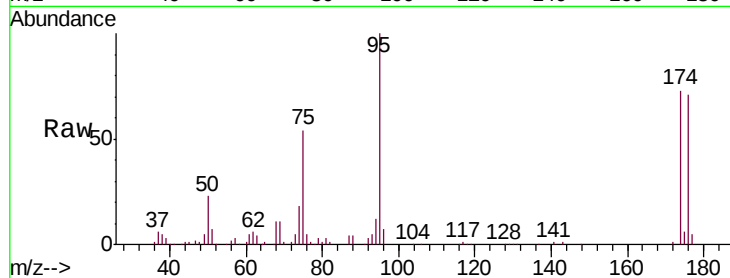
Tgt Ion: 95 Resp: 79574

Ion Ratio Lower Upper

95 100

174 74.5 0.0 147.8

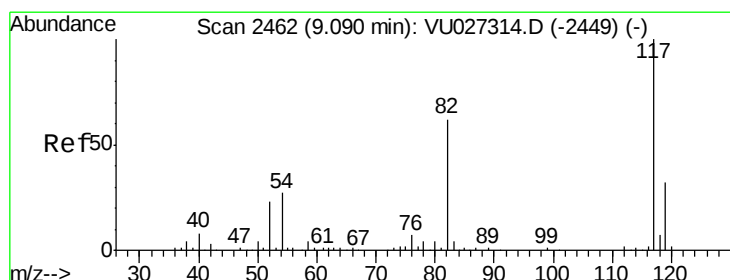
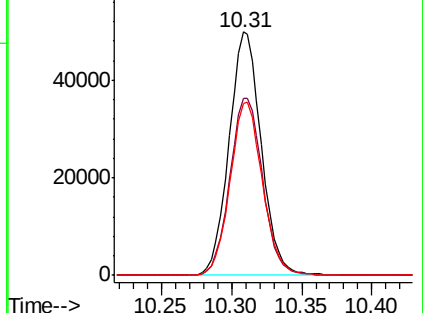
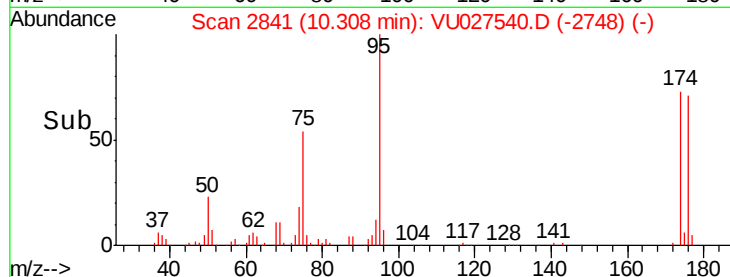
176 71.7 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027540.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU027540.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU027540.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

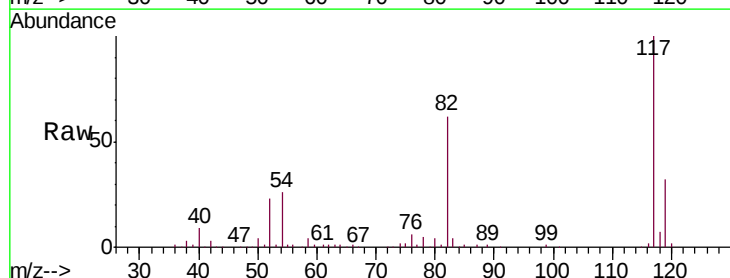
Tgt Ion: 117 Resp: 167048

Ion Ratio Lower Upper

117 100

82 61.9 49.2 73.8

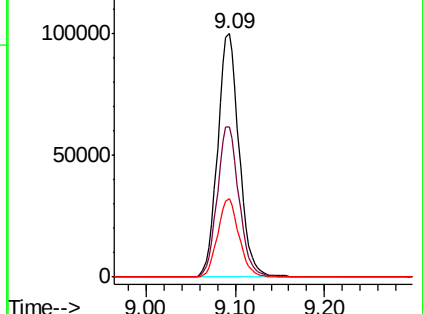
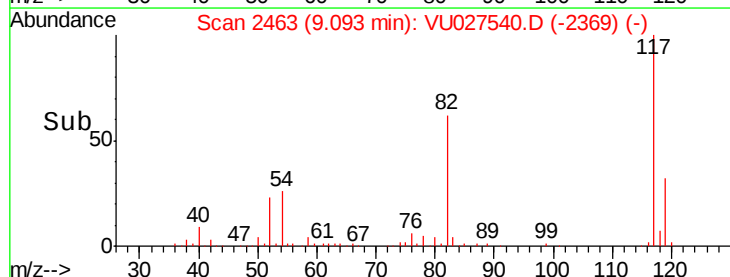
119 32.1 25.7 38.5

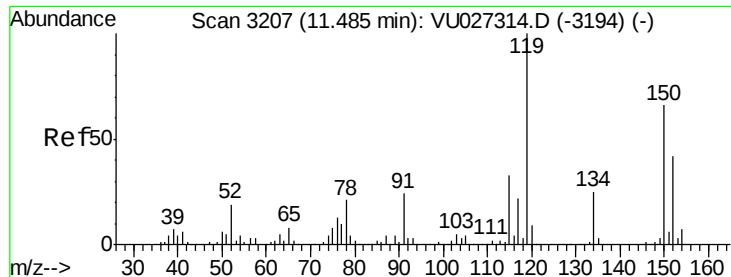


Abundance Ion 116.90 (116.60 to 117.60): VU027540.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU027540.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU027540.D (-2369) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampled :

CY-1

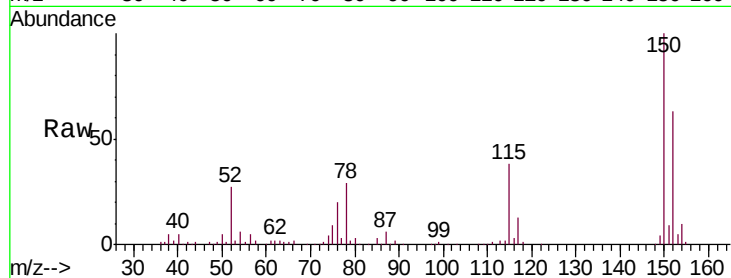
Tgt Ion: 152 Resp: 71945

Ion Ratio Lower Upper

152 100

115 61.4 43.4 130.2

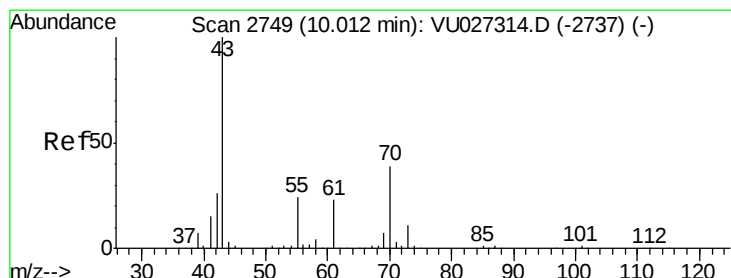
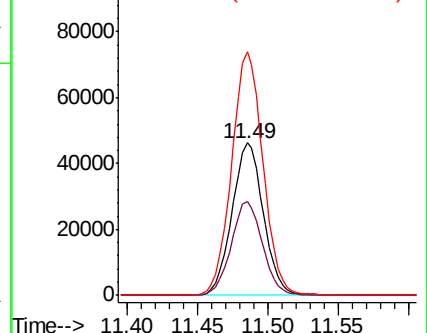
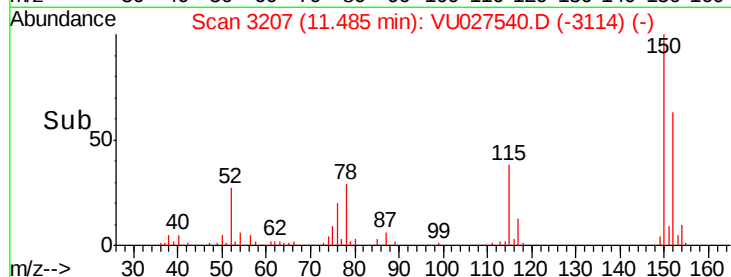
150 159.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.236 ug/l

RT: 10.03 min Scan# 2755

Delta R.T. 0.02 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Tgt Ion: 43 Resp: 705

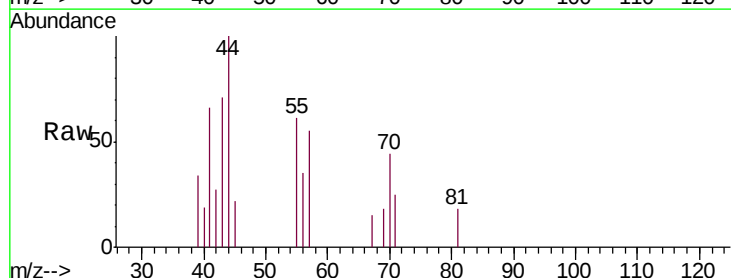
Ion Ratio Lower Upper

43 100

70 88.2 31.3 46.9#

55 297.7 19.0 28.6#

61 0.0 18.5 27.7#

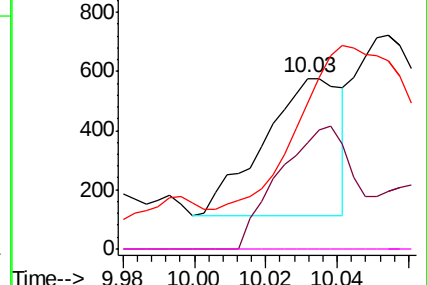
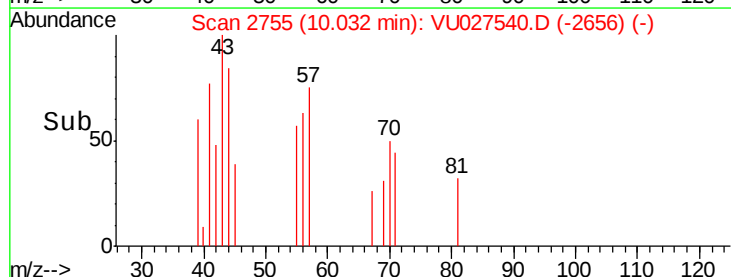


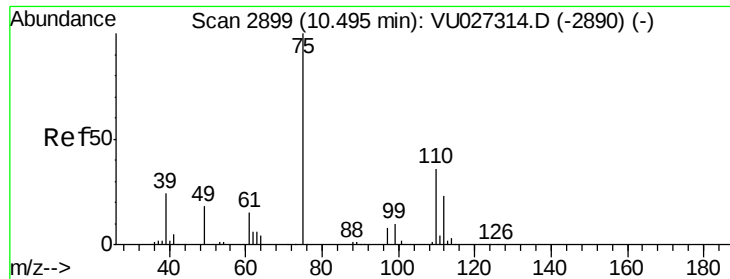
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 23.181 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampled :

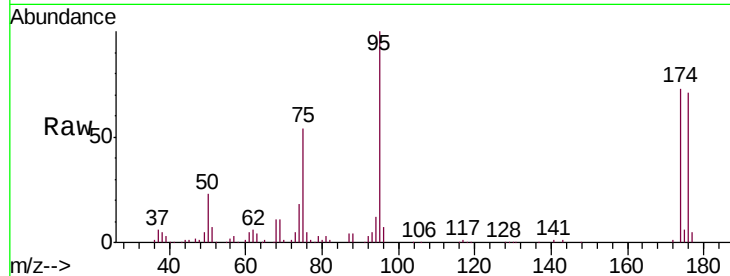
CY-1

Tgt Ion: 75 Resp: 43232

Ion Ratio Lower Upper

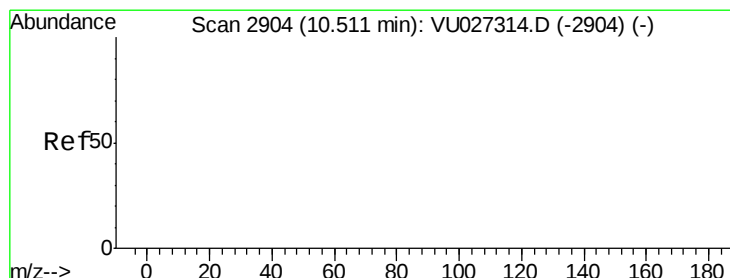
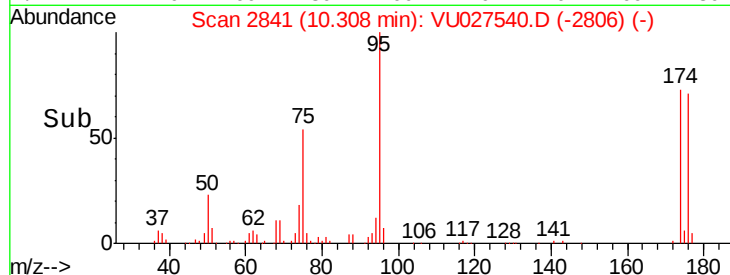
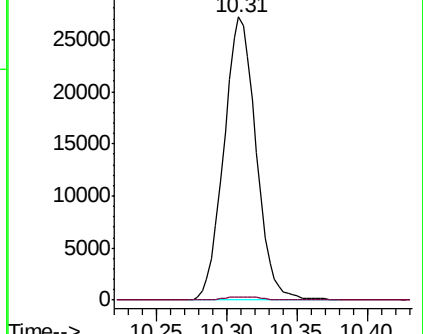
75 100

77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 60.667 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

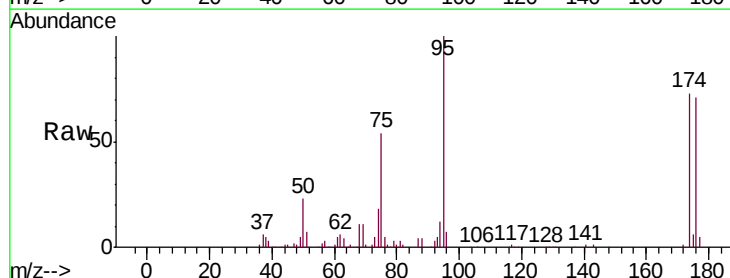
Tgt Ion: 75 Resp: 43232

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

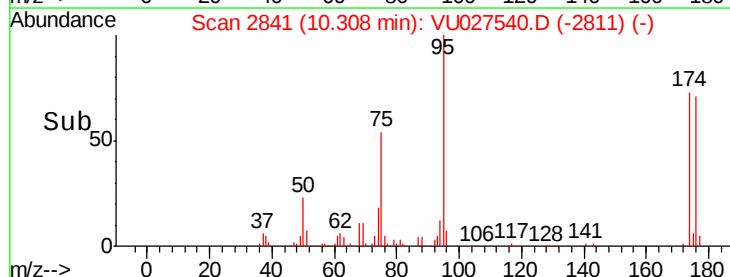
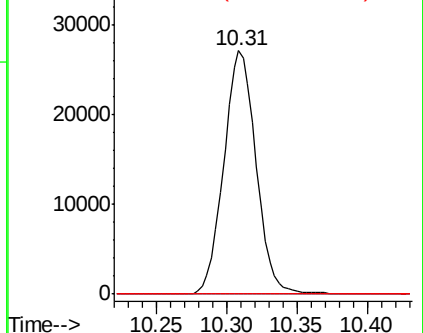
89 0.0 0.0 0.0

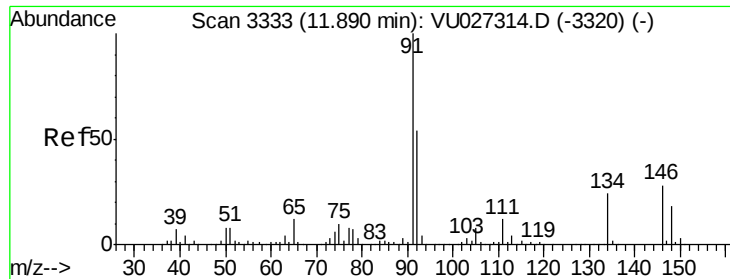


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#89

n-Butylbenzene

Concen: 1.958 ug/l

RT: 11.87 min Scan# 3328

Delta R.T. -0.02 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

Instrument :

MSVOA_U

ClientSampled :

CY-1

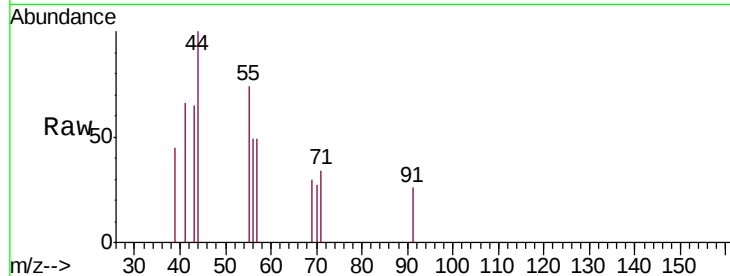
Tgt Ion: 91 Resp: 42

Ion Ratio Lower Upper

91 100

92 0.0 27.0 81.0#

134 0.0 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-3320) (-)

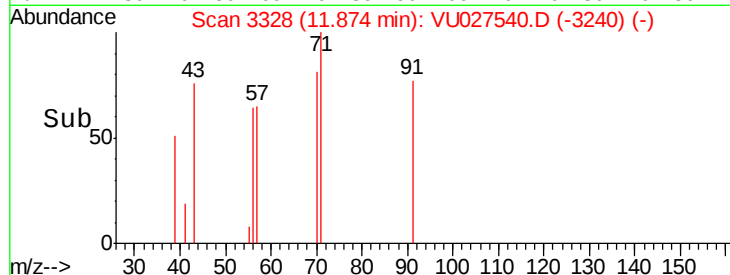
Ion 92.00 (91.70 to 92.70): VU027314.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027314.D (-3320) (-)

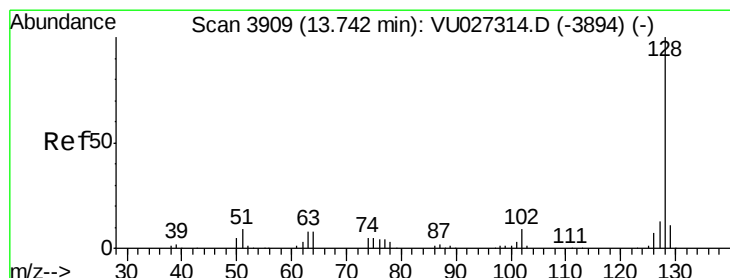
11.87

11.87

11.88



Time--> 11.86 11.87 11.88



#95

Naphthalene

Concen: 1.800 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027540.D

Acq: 09 Oct 2018 22:42

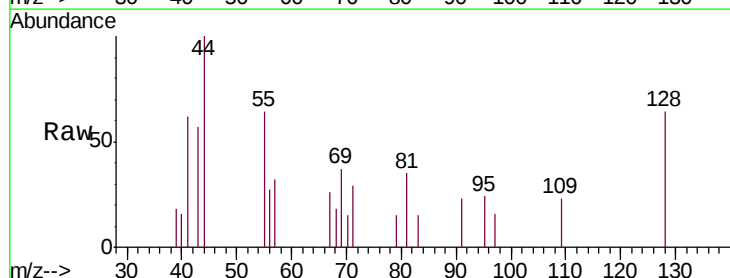
Tgt Ion: 128 Resp: 786

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU027314.D (-3894) (-)

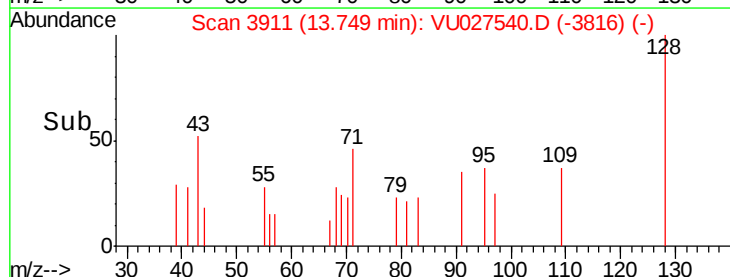
Ion 127.00 (126.70 to 127.70): VU027314.D (-3894) (-)

Ion 129.00 (128.70 to 129.70): VU027314.D (-3894) (-)

13.75

13.75

13.80



Time--> 13.70 13.75 13.80